

Listing and Amendments to the Claims

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This listing of claims will replace the claims that were published in the PCT  
Application:

- 1) (currently amended) Filtering device ~~(10)~~ comprising a first bandpass filter ~~(21)~~ having a given central frequency ( $F_c$ ) and a given bandwidth ( $B$ ), ~~characterized in that~~, wherein it comprises:
  - a second bandpass filter ~~(22)~~ identical to the first bandpass filter ~~(21)~~, and
  - frequency transposition means ~~(23, 24)~~, connected between the first filter ~~(21)~~ and the second filter ~~(22)~~, which transpose the central frequency ( $F_c$ ) of the first filter to the same central frequency ( $F_c$ ) while inverting the spectrum around the central frequency ( $F_c$ ).
2. (currently amended) Device according to Claim 1, ~~characterized in that~~ wherein the transposition means comprise:
  - a mixer ~~(23)~~ having two inputs and one output, one of the inputs being connected to an output of the first bandpass filter ~~(21)~~ and the output being connected to an input of the second bandpass filter ~~(22)~~, and
  - an oscillator ~~(24)~~ having an output connected to the other input of the mixer ~~(23)~~, the oscillator ~~(24)~~ supplying a signal at a frequency equal to twice the central frequency ( $F_c$ ) of the first and second bandpass filters ~~(21, 22)~~.
3. (currently amended) Device according to ~~one of the claims~~, ~~characterized in that~~ Claim 1, wherein the first and second filters ~~(21, 22)~~ are quartz filters.
4. (currently amended) External unit ~~(1)~~ of a signal transmission and reception device comprising an adjustable oscillator ~~(9)~~ which is locked to a received carrier frequency, ~~characterized in that~~ wherein it comprises a filtering device ~~(10)~~ according to ~~one of Claims 1 to 3~~ Claim 1, connected in the locking loop ~~(8, 10, 11, 12)~~ of the adjustable oscillator ~~(9)~~.

5. (currently amended) Method for selectively filtering a signal ( $S_i$ ),  
~~characterized in that~~ wherein:

- a first selective filtering is carried out in a given frequency band ( $B$ ), the said band having a central frequency ( $F_c$ ), by means of a first asymmetrical filter (21), to obtain a first filtered signal ( $S_1$ ),
- the first filtered signal ( $S_1$ ) is transposed to place an image corresponding to the given frequency band ( $B$ ) in the same band ( $B$ ) but with an inverted spectrum with respect to the central frequency ( $F_c$ ), and
- a second selective filtering is carried out in the given frequency band ( $B$ ), by means of a second asymmetrical filter (22), to obtain a second filtered signal ( $S_0$ ), the second filter (22) being identical to the first filter (21).

6. (currently amended) Method according to Claim 5, ~~characterized in that~~ wherein the transposition is carried out by a mixer (23) which receives a transposition signal whose frequency is equal to twice the central frequency ( $F_c$ ).